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MEMORANDUM

To: Board of Finance & City Council
From: Patrick Buteau, Assistant Director Public Works
Date: April 24, 2013
Subj: Use of Traffic Impact Fees



The Traffic Division of Public Works is requesting Finance Board and City Council approval to utilize Traffic impact fees for two traffic and pedestrian signal projects that will be completed this fiscal year.

The first project was recently completed and was the intersection rebuild of Archibald and North Winooski Avenue. This intersection was one of the last two single indication intersections in the City and now meets current MUTCD standards. Cost for this build out was \$74,256.01.

The second project underway is the upgrade and inclusion of pedestrian signals at the Battery and King St intersection. A portion of this upgrade is being paid by the developer of the new building on the corner as a condition of their zoning permit. Total project cost is \$24,688.03 with \$7,080.39 being paid by the developer and the balance of \$17,607.64 to be paid from Traffic Impact Fees.

Total requested transfer of Impact Fees is **\$91,863.65** and should be credited to Traffic Signal Program line item 200-454-4260- Impact Fees. Current balance in the impact fee account for Traffic is \$270,017.01.

Winooski & Archibald Intersection Rebuild

po#	vendor	description	cost
Pat1	Highway Tech	15' mast arms	\$ 5,724.00
Pat2	All Seasons Excavating	ground work	\$ 30,395.21
TR10929	Green Mountain Electric	ground rods, PVC stuff	\$ 19.16
TR10930	CAMP Precast	1 cyl., 2 cont. bases	\$ 815.00
TR10931	Green Mountain Electric	ground rods, PVC stuff	\$ 42.08
TR10937	Highway Tech	red + ped LEDs	\$ 1,078.00
TR10938	Traffic Parts	6 ped head	\$ 284.00
TR10939	Highway Tech	4 Traficams	\$ 12,085.00
TR10947	Burlington Electric	locate underground	\$ 107.98
TR10948	Highway Tech	Traficam daughter card	\$ 683.00
TR10949	Green Mountain Electric	PVC stuff, ground wire	\$ 450.96
TR10950	Green Mountain Electric	step bit, parts	\$ 80.65
TR10951	Roto-Rooter	conduit blockage	\$ 955.00
TR10952	Ace Hardware	step bit	\$ 39.59
TR10954	Green Mountain Electric	100' ground wire	\$ 54.61
TR10961	All Seasons Excavating	repair old conduit	\$ 3,420.97
subtotal parts + contractors			\$ 56,235.21
4 weeks sig. eng.			\$ 7,907.20
4 weeks sig. tech.			\$ 6,113.60
2 weeks T05 bucket truck			\$ 2,400.00
2 weeks T07 van (\$20 hr)			\$ 1,600.00
Total project cost.....			\$ 74,256.01

Battery & King

description	qty.	unit	cost
ped signal	8	150.00	\$ 1,200.00
countdown LED	8	300.00	\$ 2,400.00
ped pole	1	167.26	\$ 167.26
aluminum base	1	219.24	\$ 219.24
ped button + sign	4	80.00	\$ 320.00
12 conductor cable	560	1.30	\$ 728.00
labor, avg. sig tech. & sig. eng.	29.5	43.42	\$ 1,280.89
bucket truck	25.5	30.00	\$ 765.00
TOTAL ped signal upgrade			\$ 7,080.39
excavate, find and fix conduit NE corner			\$ 1,500.00
excavate, replace base SE corner			\$ 1,500.00
excavate, bring conduit into SW pole			\$ 1,500.00
concrete signal base, SE corner			\$ 450.00
concrete sign base, SE corner			\$ 300.00
labor, avg. sig tech. & sig. eng., for above	24	43.42	\$ 1,042.08
bucket truck	24	30.00	\$ 720.00
TOTAL dirt work and conduit			\$ 7,012.08
8" 3-section signals	8	88.00	\$ 704.00
8" RYG LEDs	8	210.00	\$ 1,680.00
top of post mount + cap	4	50.00	\$ 200.00
side of pole mount, top and bottom	2	60.00	\$ 120.00
entrance fitting plus swivel adapter	2	85.00	\$ 170.00
labor, avg. sig tech. & sig. eng., for above	14	43.42	\$ 607.88
bucket truck	6	30.00	\$ 180.00
TOTAL vehicle signals + RYG LEDs			\$ 3,661.88
Traficam detector camera	2	3,000.00	\$ 6,000.00
4TI Edge card	1	700.00	\$ 700.00
labor, avg. sig tech. & sig. eng., for above	4	43.42	\$ 173.68
bucket truck	2	30.00	\$ 60.00
TOTAL side-street detection, extend/skip			\$ 6,933.68
Total project.....			\$ 24,688.03
Paid by developer			\$ (7,080.39)
To be funded from Traffic Impact Fees			\$ 17,607.64